



PTO/SB/21 (08-00)

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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/851,619
	Filing Date	May 9, 2001
	First Named Inventor	N. Convers WYETH, et al.
	Group Art Unit	2832
Examiner Name	Lincoln D. DONOVAN	
Total Number of Pages in This Submission		Attorney Docket Number SAIC0042-US

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Amendment Transmittal Letter
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

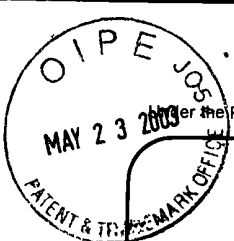
Firm or Individual name	George T. Marcon, Reg. No. 3,014
Signature	
Date	5/23/03

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: <input type="text"/>			
Typed or printed name			
Signature		Date	

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Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 18

Complete if Known

Application Number	09/851,619
Filing Date	May 9, 2001
First Named Inventor	N. Convers WYETH, et al.
Examiner Name	Lincoln D. DONOVAN
Group / Art Unit	2832
Attorney Docket No.	SAIC0042-US

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number

501458

Deposit
Account
Name

KILPATRICK STOCKTON LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	740	2001	370	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	510	2003	255	Plant filing fee	
1004	740	2004	370	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0

2. EXTRA CLAIM FEES

	Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
	-20 **			0		0
	-3 **			0		0
						0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	400	2252	200	Extension for reply within second month	
1253	920	2253	460	Extension for reply within third month	
1254	1,440	2254	720	Extension for reply within fourth month	
1255	1,960	2255	980	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,280	2453	640	Petition to revive - unintentional	
1501	1,280	2501	640	Utility issue fee (or reissue)	
1502	460	2502	230	Design issue fee	
1503	620	2503	310	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	740	2809	370	Filing a submission after final action (37 CFR § 1.129(a))	
1810	740	2810	370	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	740	2801	370	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) Amendment - One Extra Dependent Claim

18.00

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 18

SUBMITTED BY

Name (Print/Type)

George J. Marcon

Registration No. Attorney/Agent)

33,014

Telephone

202 505 5800

Signature

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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**AMENDMENT TRANSMITTAL LETTER**Docket Number:
SAIC0042-USApplication Number
09/851,619Filing Date
May 9, 2001Examiner
Lincoln D. DonovanArt Unit
2832Invention Title: PHASE CHANGE SWITCHES AND CIRCUITS
COUPLING TO ELECTROMAGNETIC WAVES CONTAINING PHASE
CHANGE SWITCHESInventor(s)
N. Convers WYETH, et al.

I. The filing fee has been calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT NUMBER EXTRA	RATE (\$)	FEE (\$)	
TOTAL CLAIMS	35	minus	34	1	18.00	18.00	
INDEPENDENT CLAIMS	3	minus	3	0	84.00	0.00	
MULTIPLE DEPENDENT CLAIM ADDED					280.00	00.00	
				TOTAL		18.00	
If applicant is a small entity under 37 C.F.R. §§ 1.9 and 1.27, then divide total fee by 2, and enter amount here.						SMALL ENTITY TOTAL	n/a

II. The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 1.16 and 1.17 which may be required during the entire
pendency of this application, or to credit any overpayment, to Deposit Account No 501458. A duplicate copy of this sheet is enclosed.

III. Applicants' undersigned attorney may be reached by telephone in our Washington, D.C. Office at:

(202) 508-5800

All correspondence should continue to be directed to our below-listed address.

Date:

5/23/03

By:

George T. Marcou
Registration No.: 33,014KILPATRICK STOCKTON LLP
Suite 900
607 14th Street, N.W.
Washington, D.C. 20005
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D.M. 6.4.03 Rndt B

SAIC0042-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: N. Convers Wyeth, et al

Group Art Unit: 2832

Serial No.: 09/851,619

Examiner: Donovan, Lincoln D.

Filed: 05/09/2001

For: **PHASE CHANGE SWITCHES AND CIRCUITS COUPLING TO
ELECTROMAGNETIC WAVES CONTAINING PHASE
CHANGE SWITCHES**

Commissioner for Patents
Post Office Box 1450
Alexandria, Virginia 22313-1450

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RESPONSE TO OFFICE ACTION

Sir:

Responsive to the Office Action dated February 25, 2003, please amend the above-identified application as follows:

In the Claims:

1. (Withdrawn/non-elected) A switch for use in circuits which interact with electromagnetic radiation, comprising:

at least one switch comprised of:

a substrate for supporting components of the switch,

a first conductive element on said substrate for connection to a first component of said circuit,

a second conductive element on said substrate for connection to a second component of said circuit, and

a switch element made up of a switching material on said substrate, and connecting the first conductive element to the second conductive element, said switching material comprised of a compound which exhibits a bi-stable phase behavior, and switchable between a first impedance state value and a second impedance state value by application of energy thereto, affecting current flow between

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18.00 DP